

Release notes for ENDF/B Development dec-044_Ru_111
evaluation

ENDF
B-VII.dev

October 14, 2016

• fizcon Errors:

1. Parity set to illegal value
MAT=1221, MF= 8, MT=457 (1): Bad parity

ERROR(S) FOUND IN MAT=1221, MF= 8, MT=457
PARITY= 0.00000E+00 NOT +1.0 OR -1.0

2. All probability distributions should be normalized to 1, this one isn't.
MAT=1221, MF= 8, MT=457 (2): Bad norm (b)

ERROR(S) FOUND IN MAT=1221, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00108E+00 BEFORE

3. Energies released in decay not adding up!
MAT=1221, MF= 8, MT=457 (3): Bad energy sum

ERROR(S) FOUND IN MAT=1221, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.52259E+06 SUM= 4.01289E+06

4. Energies released in decay not adding up!
MAT=1221, MF= 8, MT=457 (4): Bad energy sum

ERROR(S) FOUND IN MAT=1221, MF= 8, MT=457
GAMMA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 2.91679E+06 SUM= 2.93535E+06

5. Energies released in decay not adding up!
MAT=1221, MF= 8, MT=457 (5): Bad energy sum

ERROR(S) FOUND IN MAT=1221, MF= 8, MT=457
BETA MULTIPLICITY SUMUP FAILURE
WHOLE= 1.00000E+00 SUM= 1.00108E+00

6. Energies released in decay not adding up!
MAT=1221, MF= 8, MT=457 (6): Bad energy sum

ERROR(S) FOUND IN MAT=1221, MF= 8, MT=457
BETA AVERAGE ENERGY SUMUP FAILURE
WHOLE= 1.07254E+06 SUM= 1.07755E+06